

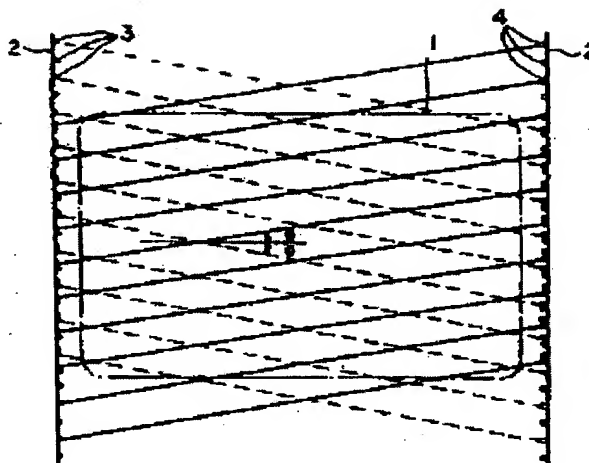
COORDINATE INPUT DEVICE

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Abstract of JP61133430

PURPOSE: To obtain a horizontal coordinate even when no opposite light emitting element and photodetector pair exists at the upper and lower side of a display pattern by using an optical path tilted in the horizontal direction.
CONSTITUTION: A board 2 is arranged only to the left and right sides of a display pattern 1. Plural photodetectors 3 are arranged to the left board and plural light emitting elements 4 are arranged to the right board via a prescribed interval respectively and the optical axis of each element is arranged so that the optical path between a couple of right/left opposed light emitting element and photodetector is tilted clockwise to the horizontal X axis of the display pattern by θ ($0 \text{ deg.} < \theta < 90 \text{ deg.}$) as to one group shown in solid lines and tilted by θ in opposite direction as to the other group. Further, each element is arranged so that at least two crossed optical paths are shut when a finger is touched on the screen. When a specific position on the display screen is touched by a finger or the like, the X-Y coordinate is obtained simply by the shut optical path of each group, that is, from the position of photodetectors not receiving light.



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